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Atty Docket No.	Application No.			
112440-714	10/774,579			
Applicant				
Botvinni	k et al.			
Filing Date	Group			
February 9, 2004	1724			

PTO Form 1449

Examiner's	Document	Publication	TENT DOCUMENT	<u>, </u>		Filing Date
Initials	Number	Date	Inventor	Class	Subclass	If
r. z. c.	653,421 A	07/10/1900	Lorey			Appropriat
10.0.	895,729 A	08/11/1908		- - 		
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+	1,882,949 A	10/18/1932				
	2,129,783 A	09/13/1938				
	2,590,447	03/25/1952		-+		
-	2,978,066	04/04/1961				
 	3,374,941 A	03/26/1968				
1	3,540,191 A	11/17/1970				
	3,806,763	04/23/1974				
	3,892,927	07/01/1975				
	3,945,813		Iinoya et al.			
	3,958,960	05/25/1976				†
	3,958,961	05/25/1976				
	3,958,962	05/25/1976				
	3,988,131		Kanazawa et al.	~ 	 -	1
	4,007,024	02/08/1977				
	4,056,372	11/01/1977				
	4,070,163	01/24/1978		 		
	4,074,983	02/21/1978		- (
	4,097,252		Kirchhoff et al.			-
	4,102,654 A	07/25/1978			 	<u> </u>
	4,104,042	08/01/1978				· · · · · · · · · · · · · · · · · · ·
	4,110,086		Schwab et al.			<u> </u>
	4,119,415		Hayashi et al.			
	4,126,434	11/21/1978				
7.	4,147,522	04/03/1979				
	4,155,792		Gelhaar et al.			
	4,171,975	10/23/1979				- :
	4,185,971	01/29/1980				
	4,189,308	02/19/1980				
	4,205,969	06/03/1980	·			
	4,218,225		Kirchhoff et al.			
	4,225,323	09/30/1980	Zarchy et al.			
	4,251,234	02/17/1981	Chang			
	4,259,093		Vlastos et al.			
	4,259,707	03/31/1981				
	4,289,504		Scholes			
	4,293,319	10/06/1981	Claassen, Jr.			
	4,308,036	12/29/1981	Zahedi et al.			
	4,315,188	02/09/1982	Cerny et al.			
	4,338,560	07/06/1982	Lemley			
R. L. C.	4,349,359	09/14/1982	Fitch et al.	1		

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Atty Docket No.	Application No.				
112440-714	10/774,579				
Applicant					
Botvinnil	k et al.				
Filing Date	Group				
February 9, 2004	1724				

PTO Form 1449

Examiner's	Document	U.S. PA				Filing Date
Initials	Number	Date	Inventor	Class	Subclass	If Appropriat
r.x.c.	4,351,648	09/28/1982	Pennev	1	1	Appropriat
	4,354,861		Kalt			
	4,362,632	12/07/1982				
	4,363,072	12/07/1982				
	4,366,525		Baumgartner			
	4,369,776	01/25/1983				
	4,375,364	03/01/1983	Van Hoesen et al.			
	4,380,900	04/26/1983	Linder et al.			
	4,391,614	07/05/1983	Rozmus			
	4,394,239	07/19/1983	Kitzelmann et al.			
	4,405,342	09/20/1983				
	4,406,671	09/27/1983				
	4,412,850		Kurata et al.			
	4,414,603	11/08/1983				
	4,435,190		Taillet et al.			
	4,440,552		Uchiya et al.			<u> </u>
	4,443,234	04/17/1984				
	4,477,268	10/16/1984				
	4,481,017	11/06/1984				
	4,505,724	03/19/1985				
	4,514,780		Brussee et al.			
	4,515,982		Lechtken et al.	i		
	4,521,229	06/04/1985				
	4,522,634	06/11/1985				
	4,534,776		Mammel et al.			
	4,544,382	10/01/1985				
	4,555,252	11/26/1985				
	4,569,684	02/11/1986				<u> </u>
	4,582,961		Frederiksen			
	4,588,423		Gillingham et al.		<u> </u>	
	4,590,042		Drage			<u>'</u>
	4,597,780		Reif			ļ
-	4,597,781	07/01/1986				
	4,604,174		Bollinger et al.			
	4,614,573	09/30/1986				
	4,623,365	11/18/1986				
	4,632,135		Lenting et al.			
	4,632,746	12/30/1986				
4	4,636,981	01/13/1987				
+	4,643,744		Brooks		<u> </u>	
+	4,647,836		Olsen			
e.z.c.	4,650,648	03/17/1987	Beer et al.]

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PTO Form 1449

Atty Docket No.	Application No.
112440-714	10/774,579
Applicant	
Botvinnil	k et al.
Filing Date	Group
February 9, 2004	1724

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date
						Appropriate
R.L.C.	4,657,738	04/14/1987	Kanter et al.	1		
	4,662,903	05/05/1987	Yanagawa			
	4,666,474	05/19/1987				
	4,668,479	05/26/1987	Manabe et al.			
	4,670,026	06/02/1987				
	4,680,496	07/14/1987	Letournel et al.			
	4,692,174	09/08/1987	Gelfand et al.			
	4,691,829		Auer			
	4,693,869		Pfaff			
	4,702,752	10/27/1987	Yanagawa			
	4,713,092	12/15/1987	Kikuchi et al.			
	4,715,870	12/29/1987	Masuda et al.			
Γ	4,725,289	02/16/1988	Quintilian			
	4,736,127	04/05/1988	Jacobsen			
	4,743,275	05/10/1988	Flanagan			
	4,749,390	06/07/1988	Burnett et al.			
	4,750,921	06/14/1988				
	4,760,302	07/26/1988	Jacobsen			
	4,760,303	07/26/1988				
	4,765,802	08/23/1988	Gombos et al.			
7	4,771,361	09/13/1988	Varga			
	4,822,381	04/18/1989	Mosley et al.			
	4,853,005	08/01/1989	Jaisinghani et al.			
	4,869,736	09/26/1989	Ivester et al.			
	4,892,713	01/09/1990	Newman			
	4,929,139	05/29/1990	Vorreiter et al.			
	4,940,894	07/10/1990	Morters			
	4,941,224	07/17/1990	Saeki et al.			
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	4,954,320		Birmingham et al.			
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	4,966,666	10/30/1990	Waltonen			
	4,976,752 A	12/11/1990	Torok et al.			
	4,978,372		Pick			
	D315,598 S	03/19/1991	Yamamoto et al.			
	5,003,774	04/02/1991	Leonard	1 1		
	5,006,761 A	04/09/1991	Torok et al.			
T	5,012,093 A	04/30/1991	Shimizu			
1 1	5,012,094	04/30/1991	Hamade			1
	5,012,159 A	04/30/1991	Torok et al.			
	5,022,979	06/11/1991	Hijikata et al.	11		
2. L.C,	5,030,254	07/09/1991		1		

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Page 3

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PTO Form 1449

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Atty Docket No.	Application No.
112440-714	10/774,579
Applicant	
Botvinnil Botvinnil	k et al.
Filing Date	Group
February 9, 2004	1724

Examiner's	Document	Publication	TENT DOCUMENTS			Filing Date
Initials	Number	Date	Inventor	Class	Subclass	If Appropriate
R.J.C.	5,043,033 A	07/23/1991	Alsup et al.	1	1	
	5,037,456		Yu	1 - 1		
	5,045,095		You			
	5,053,912 A		Loreth et al.			
	5,059,219	10/22/1991	Plaks et al.			
	5,061,462		Suzuki			
	5,066,313	11/19/1991	Mallory, Sr.			
	5,072,746		Kantor			
	5,077,500 A	12/31/1991	Torok et al.			
	5,077,468	12/31/1991	Hamade			
	5,076,820	12/31/1991	Gurvitz			
	5,100,440	03/31/1992	Stahel et al.			
	D326,514	05/26/1992	Alsup et al.	17		
	5,118,942	06/02/1992	Hamade	17		
	5,125,936	06/30/1992	Johansson			
	5,136,461	08/04/1992	Zellweger			
	5,137,546	08/11/1992	Steinbacher et al.		1	
	5,141,715		Sackinger et al.			
1	D329,284 S	09/08/1992	Patton			
	5,147,429		Bartholomew et al.			
	5,154,733	10/13/1992	Fujii et al.			
	5,158,580	10/27/1992	Chang			
	D332,655 S	01/19/1993				
	5,180,404 A	01/19/1993	Loreth et al.			
	5,198,003	03/30/1993	Haynes			
	5,199,257		Colletta et al.			
	5,210,678	05/11/1993	Lain et al.			
	5,217,511	06/08/1993	Plaks et al.			
	5,234,555	08/10/1993	Ibbott			
	5,248,324 A	09/28/1993	Hara	1 1		
	5,250,267	10/05/1993	Johnson et al.			
	5,254,155	10/19/1993	Mensi			
	5,266,004 A	11/30/1993	Tsumurai et al.			
	5,271,763	12/21/1993	Jang			
	5,282,891	02/01/1994				
	5,290,343 A		Morita et al.			
	5,308,586	05/03/1994	Fritsche et al.	11		
	5,330,559		Cheney et al.			
	5,348,571	09/20/1994				
	5,376,168	12/27/1994				
	5,386,839 A	02/07/1995				
	5,395,430		Lundgren et al.			
R. L.C.	5,401,301		Schulmerich et al.	1		

Examiner: Richard L. Chiesa Date Considered: Jan. 17 2006

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PTO Form 1449

Atty Docket No.	Application No.
112440-714	10/774,579
Applicant	
Botvinni	k et al.
Filing Date	Group
February 9, 2004	1724

		U.S. PA	TENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
R.L.C.	5,401,302	03/28/1995	Schulmerich et al.		1	
	5,403,383	04/04/1995		1 1		
	5,405,434	04/11/1995				<u> </u>
- - -	5,407,639		Watanabe et al.			
	5,407,469	04/18/1995		1 1		
	5,417,936		Suzuki et al.		 	
	5,419,953	05/30/1995				
	5,433,772	07/18/1995	+	_		
	5,435,817 A	07/25/1995				
	5,435,978	07/25/1995				
	5,437,843	08/01/1995	<u> </u>			
	5,445,798	08/29/1995				
	5,466,279		Hattori et al.	-		
	5,468,454	11/21/1995			<u> </u>	<u> </u>
	5,474,599		Cheney et al.			†····
	5,484,473	01/16/1996				
	5,492,678	02/20/1996				<u> </u>
	5,501,844		Kasting, Jr. et al.			
	5,503,808		Garbutt et al.			i
	5,503,809	04/02/1996				
	5,505,914	04/09/1996				
	5,508,008	04/16/1996		- - -		<u> </u>
	5,514,345		Garbutt et al.			<u> </u>
	5,516,493	05/14/1996				
	5,518,531	05/21/1996				<u> </u>
	5,520,887		Shimizu et al.			f
	5,525,310		Decker et al.			· · · · · · · · · · · · · · · · · · ·
	5,529,613	06/25/1996				i
	5,529,760	06/25/1996				<u> </u>
	5,532,798 A		Nakagami et al.			
	5,536,477	07/16/1996		1 1		
	5,538,695		Shinjo et al:	- 		
1	5,540,761	07/30/1996				
	5,542,967		Ponizovsky et al.			
	5,545,379	08/13/1996		1-1-	1	
	5,545,380	08/13/1996		1-1-		1
	5,547,643		Nomoto et al.			1
	5,549,874		Kimiya et al.			1
	5,554,344	09/10/1996				
	5,554,345		Kitchenman			
	5,569,368		Larsky et al.			
	5,569,437	10/29/1996				
R.L.C.	5,571,483	11/05/1996	Pfingstl et al.			

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Page 5

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Applicant	
	Botvinnik et al.
Filing Date	Group
	7.0 2004

112440-714

Application No.

10/774,579

Atty Docket No.

PTO Form 1449

			ATENT DOCUMENTS			
Examiner's	Document	Publication				Filing Date
Initials	Number	Date	Inventor	Class	Subclass	Ĭf
				l		Appropriate
R.L.C.	D375,546 S				1	
	5,573,577	11/12/1996				
	5,573,730	11/12/1996				
	5,578,280	11/26/1996				
	5,582,632	12/10/1996	• • • • • • • • • • • • • • • • • • • •			
	5,587,131	12/24/1996	Malkin et al.			
	5,591,253	01/07/1997	Altman et al.			
	5,591,334	01/07/1997	Shimizu et al.			<u> </u>
	5,591,412	01/07/1997				
	5,593,476	01/14/1997	<u> </u>	 		
	D377,523 S			+ _	 	
	5,603,752			1		
	5,603,893			1	†	
	5,614,002	03/25/1997		+ + -	 	+
	5,624,476			1	 	-
	5,630,866		Gregg	1	 	
	5,630,990			+		+
	5,637,198		1	+ + + -	 	
1	5,637,279			+-+-	 	1
	5,641,342 A		Smith et al.	+-+	 	+
	5,641,461	06/24/1997		++		
	5,647,890	07/15/1997		++-	1	+
-+	5,648,049	07/15/1997		++-		
	5,655,210		Gregoire et al.	++-	 	
-1	5,665,147		Taylor et al.	++	 	+
-	5,667,563			+	 	
	5,667,565		Gondar	++-	 	1
	5,667,756			++-	 	
	5,678,237		Powell et al.	+++	 	+
	5,681,434		Eastlund	++-	 	+
1	5,681,533		Hiromi	++-	 	
	D389,567 S		Gudefin	++-	 	+
1	5,766,318 A			++-	 	-
1	5,980,614 A		Loreth et al.	++-	1	
	5,993,521 A		Loreth et al.	+ + -	 	+
1-1	5,993,738	11/30/1999		++	 	
	6,090,189 A			+	1	
	6,117,216 A	09/12/2000		+++		1
-1	6,176,977 B1		Taylor et al.	+-+-	 	1
-1	6,187,271 B1		Lee et al.	+	 	
1	5,484,472 C1	02/20/2001	Weinberg	+		+
1	6,203,600 B1		Loreth	+		
R. Z.C.	6,251,171 B1		Marra et al.	+ + + + + + + + + + + + + + + + + + + +	1	+
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Page 6

715861/D/I

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PTO	Form	1449	

Atty Docket No.		Application No.		
112440-714		10/774,579		
	Applicant			
	Botvinnil	c et al.		
	Filing Date	Group		
	February 9, 2004	1724		

Examiner's	Document	Publication	TENT DOCUMENTS		<u> </u>	Filing Data
Initials	Number	Date	Inventor	Class	Subclass	Filing Date If Appropriate
R. Z.C	6,296,692 B1	10/02/2001	Gutmann			
(1)	D449,097 S		Smith et al.	- -		1
	6,506,238 B1	01/11/2003	<u> </u>			
	6,632,407 B1	10/14/2003		-		
	6,635,105 B2		Ahlborn et al.		- · · · · · · · · · · · · · · · · · · ·	
	6,672,315 B2	01/06/2004				<u> </u>
_	6,709,484 B2	03/23/2004				<u> </u>
	6,713,026 B2		Taylor et al.		1	
	6,735,830 B1	05/18/2004				<u> </u>
	6,749,667 B2		Reeves et al.			† · · · · · · · · · · · · · · · · · · ·
1	6,753,652	06/22/2004				†
	6,761,796		Srivastava et al.			†
	6,768,108		Hirano et al.			
	6,768,110	07/27/2004			1	
	6,768,120		Leung et al.			1
	6,768,121	07/27/2004				
	6,770,878		Uhlemann et al.			
	6,774,359		Hirabayashi et al.			†
	6,777,686	08/17/2004				f
	5,777,699	08/17/2004			1 1	
	6,777,882		Goldberg et al.		1	
	6,781,136	08/24/2004			 	i
· -	6,785,912	09/07/2004			 	
	6,791,814		Adachi et al.		ii	
	6,794,661	09/21/2004			i i	
	6,800,862	10/5/2004	Matsumoto et al.		 	
	6,803,585	10/12/2004				
	6,805,916	10/19/2004			 	
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1	6,806,163	10/19/2004			 	
	6,806,468	10/19/2004	Laiko et al.			
1	6,808,606	10/26/2004		 		
	6,809,310	10/26/2004		 	 	
- -	6,809,312	10/26/2004			 	<u> </u>
 	6,809,325	10/26/2004		1-1		
	6,812,647	11/02/2004		 	 	
1 1	6,815,690		Veerasamy et al.			
1	6,818,257		Amann et al.			
_	6,818,909		Murrell et al.	1 1	 	
- -	6,819,053	11/16/2004			1-1	†
	6,797,339		Akizuki et al.			1
	6,797,964	09/28/2004			1 1	
2. Z.C.	6,799,068	09/28/4002	4	 	 	

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	PTO	Form	14	149	

Atty Docket No.	Application No.		
112440-714	10/774,579		
Applicant			
Botvinni	k et al.		
Filing Date	Group		
February 9, 2004	1724		

		U.S. PA	TENT DOCUMENT	rs		
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
R.L.C.	6,863,869	03/05/2005	Taylor et al.			
R. L.C.	6,896,853	05/24/2005	Law et al.			
R. J. C.	6,911,186	06/28/2005	Taylor et al.			

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Examiner's	Document	Publication				Trans	lation
Initials	Number	Date	Inventor	Class	Subclass	Yes	No
R.L.C.	2003/0170150	09/11/2003	Law et al.	1	1		
	2003/0206839 A1	11/06/2003	Taylor et al.				
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Examiner's	Document	Publication				Transla	tion
Initials	Number	Date	Country	Class	Subclass	Yes	No
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	WO 99/07474 A1	02/18/1999	PCT				1
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	EP 0332624 B1	01/02/1992	Europe				
	CN 2138764 Y	06/27/1993	China		1 1	Abstract	
	CN 2153231 Y	12/18/1993	China			Abstract	
	CN 87210843 U	07/06/1988	China			Abstract	
	DE 2206057	08/16/1973	Germany			X	
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	GB 643,363	09/20/1950	Great Britain				
	JP S51-90077	08/06/1976	Japan			Х	
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R.Z.C.	JP 10216561	08/18/1998	Japan			Abstract	

Examiner: Richard L. Chiesa Date Considered: Jan. 17, 2006

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^{*}Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next-communication to applicant.

(Use several sheets if necessary)

Atty Docket No.	Application No.
112440-714	10/774,579
Applicant	
Botvinnil	c et al.
Filing Date	Group
February 9, 2004	1724

PTO Form 1449

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
R.L.C.	Blueair AV 402 Air Purifier, shown at http://www.air-purifiers-usa.biz/Blueair_AV402.htm, on 8/24/2004.					
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Examiner: Richard L. Chiesa Date Considered: Jan. 17, 2006

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; <u>Draw_line_through_citation_if_not_in-conformance-and-not-considered: -Include_copy-of_this-form_with-next-communication_to_applicant.</u>

Page 9